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AD 4130

Report Number 66-1

Rifle Performance Under Conditions of Etress

Final Report by

Lt. Col. Carl G. Lauterbach, MSC Major David P. Vielhaber, MSC

Medical Research Project U.S. Army Hospital West Point, New York

20 May 1966

Project Nr. 62156011 3A025601A823 01 057

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Medical Research Project U.S. Army Hospital West Point, New York

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Medical Research Project
U.S. Army Hospital
West Point, New York

Task Nr. 62156011 3A025601A823 01

Title: (U) Studies to Identify Through Research the Characteristics Related to Leadership.

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	ives: (U) Since studi			heve domonates	atail that as
fective leade	ers are more resistan	t to stress	then are less	effective les	doed on offor
was made to i	dentify new USMA cad	ets who are	stress-prone	and stress_res	istant hy in-
troducing exp	perimental stress con	ditions on	the Trainfire	range. This re-	port summariæs
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Annroach: (II)	480 cadets served a	e control e	ubicata undo	raina anle tha	and in a me
four day rif	le training without r	eceiving an	v of the exper	imental stress	orumary es Random
groups of 66,	65, and 153 cadets	were assign	ed to "Reactio	n to Authority.	." "Test
Anxiety," and	l "Group Pressure" st	ress condit	ions. The pre-	stress and post	t-stress rifle
scores of gro	oups assigned to thes	e condition	s were compare	ed with those of	f the control
group.			_		
Progress: (U)	Analysis of rifle s	cores revea	led no differe	nce in nerforms	ance heiween
the experimen	tal and control grou	ps. so ther	e was no evide	ence that the st	tresses were
effective. S	is who showed a drop	in rifle 🤫	ores from prac	tice to final 1	record-firing
did not diffe	er from consistent fi	rers on te	16 P-F person	ality factors of	or on anxiety
test scores.	The disparity of the	ese results	from other st	udies may be a	result of the
nilder stress	es used here, specia	l character	istics of cade	ts, or both. Th	ne two earlier
reports in th	is series presented	a number of	correlates of	Trainfire perf	formance of
cadets and in	teractions between p	redictors a	nd rifle score	s.	
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